

ABSTRACT

An input receiving section 102 of a transmitter apparatus 101 receives inputs of multiple synchronized signals r_1, \dots, r_N , an asynchronizing section 103 outputs multiple asynchronized signals v_1, \dots, v_N that are obtained by delaying the multiple synchronized signals r_1, \dots, r_N by time t_1, \dots, t_N , a modulating section 104 modulates the multiple output asynchronized signals v_1, \dots, v_N to output modulated signal w_1, \dots, w_L ($1 \leq L \leq N$), a transmitting section 105 transmits the output modulated signal w_1, \dots, w_L , and the delay time t_1, \dots, t_N is shorter than a reciprocal number of a minimum value of clock rates of the multiple input received synchronized signals r_1, \dots, r_N , and is desirably proportional to one generated by a chaos random number in particular.

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